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(71)Applicant : COMPAQ COMPUTER CORP

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(72)Inventor : HOPKINS DALE WEBSTER  
MCKAY MICHAEL  
LANGFORD SUSAN  
HINES LARRY

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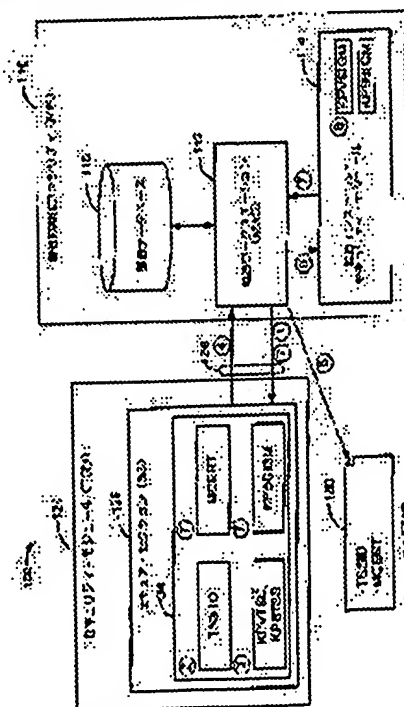
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(54) METHOD FOR COMMUNICATING INFORMATION VIA CHANNEL HAVING LOW RELIABILITY

(57)Abstract:

PROBLEM TO BE SOLVED: To attain the communication security between the devices which are connected to a network.

SOLUTION: A secure section SS 126 of a security module TSM 124 included in a device stores the serial numbers SSID sent from a manufacturing initialization facility MIF 110 via a network into a storage 34 ((2)) and then generates and stores a public key pair ((3)). The public key pair includes a secret part KPVS and a public part KPBSS and transmits only the part KPBSS to the facility MIF 110 ((4)). A manufacturing install security module MISM 114 generates and stores a manufacturer certificate including the part KPBSS and a secret signature key KPVSIGM ((6)), and also the certificate is transmitted to the section SS 126 of the module TSM 124 and stored there together with a public signature key KPBSIGM of the facility MIF 110 ((7)). The facility MIF 110 also generates an



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inspection certificate 130. The internal secrecy is stored in every device and certificate and accordingly the devices can authenticate and safely communicate with each other even via a channel having low reliability without being previously programmed by means of the secrecy of an operator.

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## LEGAL STATUS

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